



# Oregon

Theodore R. Kulongoski, Governor

## Department of Consumer and Business Services

Building Codes Division

1535 Edgewater Street NW

PO Box 14470

Salem, OR 97309-0404

(503) 378-4133

FAX (503) 378-2322

bcd.oregon.gov

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### *2011 Oregon Residential Specialty Code Committee*

*Tuesday, August 10, 2010*

### **Meeting Summary**

**\*\*NOTE:** *The following is a summary of the committee's discussion.*

*To review the meeting in its entirety, the archived video of the meeting is available on the committee's Web site at the following link <http://www.bcd.oregon.gov/committees/11orsc.html>*

**Members Present:** Johnathan Balkema, Oregon Home Builders Association  
Mike Goodrich, Legend Homes Corporation  
Tracy Hankin, Hankins Construction  
Gary Lampella, City of Redmond  
Ravi Mahajan, Clackamas County  
Eric McMullen, Oregon State Fire Marshal  
Alan Seymour, Oregon Department of Energy

**Members Absent:** None

**Guests Present:** John Caul, State Fire Marshal  
Robert Rice, Oregon Building Officials Association (OBOA)  
Jeff Kennedy, City of Independence  
Norm Nomie, City of Gresham  
Mike Moore (via phone), Newport Ventures but representing Broan NuTone

**Staff Present:** Chris Huntington, Policy and Technical Services Manager  
Mike Ewert, Residential and Mechanical Code Programs  
Richard Rogers, Structural Chief  
Rich Baumann, Policy Analyst  
Dana Fischer, Building Code Para-Technical

### **Introductions**

Gary Lampella, Chair called the meeting to order at 9:10 a.m.

### **Chapter 9 Roof Assemblies**

Mike Ewert, Residential Code Specialist, explained significant model code changes and Oregon Amendments for Chapter 9 and the committee discussed them. The committee took a few minutes to review the changes.

## **Section R902.1 Roofing Covering Materials**

**TABLED:** Model code changes tabled for further discussion.

### **Summary of Chapter 9**

**Motion** to APPROVE all Oregon amendments to Chapter 9, Roof Assemblies, which includes specific modifications made during this review, but excludes those items that were tabled.

*Motion approved unanimously.*

**Motion** to APPROVE all Model code amendments to Chapter 9, Roof Assemblies, which includes specific modifications made during this review, but excludes those items that were tabled.

*Motion approved unanimously.*

### **Chapter 10 Chimneys and Fireplaces**

Mr. Ewert explained significant model code changes, and Oregon Amendments for Chapter 10 and the committee discussed them.

### **Summary of Chapter 10**

**Motion** to APPROVE all Oregon amendments to Chapter 10, Chimneys and Fireplaces, which includes specific modifications made during this review.

*Motion approved unanimously.*

**Motion** to APPROVE all Model code amendments to Chapter 10, Chimneys and Fireplaces, which includes specific modifications made during this review.

*Motion approved unanimously.*

### **Appendices A-R**

#### **Appendix A - Sizing and Capacities of Gas Piping**

Not adopted in Oregon.

#### **Appendix B - Sizing of Venting Systems Serving Appliances Equipped With Draft Hoods, Category I Appliances, And Appliances Listed for Use With Type B Vents**

Not adopted in Oregon.

**Appendix C - Exit Terminals OF Mechanical Draft And Direct-vent Venting Systems**

Not adopted in Oregon

**Appendix D - Recommended Procedure For Safety Inspection of An Existing Appliance Installation**

Not adopted in Oregon.

**Appendix E - Manufactured Housing Used as Dwellings**

Modified and adopted in Oregon.

**Appendix F - Radon Control Methods**

Mr. Ewert explained that Oregon does not adopt this appendix but is using it as a “place holder” for future adoption of a radon standard.

**Appendix G - Swimming Pools, Spas And Hot Tubs**

Modified and adopted in Oregon.

**Appendix H - Patio Covers**

Mr. Ewert explained Oregon adopts this appendix. The committee discussed it.

**Motion** to approve Oregon amendment to Section AH101.1 as modified by changing the language in “**General**” from “*120 sq. ft.*” to “*200 sq. ft.*” This modification will align this section with Section R105.2(9).

*Motion approved unanimously.*

**Appendix I - Private Sewage Disposal**

Not adopted in Oregon.

**Appendix J - Existing Building and Structures**

Not adopted in Oregon.

**Appendix K –Sound Transmission**

Adopted in Oregon.

**Appendix L – Permit Fees**

Not adopted in Oregon.

**Appendix M – Home Day Care, R-3 Occupancy**

Not adopted in Oregon.

**Appendix N – Venting Methods**

Not adopted in Oregon.

**Appendix O – Gray Water Recycling Systems**

Not adopted in Oregon.

**Appendix P – Sizing Of Water Piping Systems**

Not adopted in Oregon.

**Appendix Q – ICC International Residential Code Electrical Provisions/National Electrical Code Cross-Reference**

Not adopted in Oregon.

**Appendix R – Straw-bale Structures**

Adopted in Oregon.

**Appendix N – Low-Rise Residential Multi-family Dwelling Construction [BCD-7](#)**

Richard Rogers provided a handout which is intended to clean-up this appendix. He explained the changes to the committee. Chair Lampella thought the division's *clean-up* of the appendix was very good and needed.

**Motion** to adopt as written Appendix N.

*Motion approved unanimously.*

**Summary of Appendices**

**Motion** to APPROVE all Appendices A-R as submitted, which includes specific modifications made during this review.

*Motion approved unanimously.*

***Break***

***The committee took a short break.***

**Interpretations**

Mr. Ewert explained that all interpretations will be kept, with the intention of bringing them up to-date with current code or rescinded.

**91-1 Alternate Stairway Configurations**

**Motion** to keep interpretive ruling 91-1.

*Motion approved unanimously.*

**99-1 Residential Slab Edge Insulation**

**Motion** to rescind interpretive ruling 99-1.

*Motion approved unanimously.*

**92-1 Application of Table 53-P To Additions**

**Motion** to rescind interpretive ruling 92-1.

*Motion approved unanimously.*

### **92-6B Footing and Crawl Space Drains**

**Motion** to rescind interpretive ruling 92-6B.  
*Motion approved unanimously.*

### **92-15 Log/Solid Timber Home Construction**

**Motion** to keep interpretive ruling 92-15.  
*Motion approve unanimously.*

### **92-19 Under-floor Ventilation**

**Motion** to rescind interpretive ruling 92-19.  
*Motion approved unanimously.*

### **92-25 Ceiling “Fire Separation” Dwelling/Garage and Dwelling/Dwelling Under The One and Two-family Dwelling Specialty Code**

**Motion** to rescind interpretive ruling 92-25.  
*Motion approved unanimously.*

### **92-28 Use Of Yurt As A Permanent Dwelling**

**Motion** to keep interpretive ruling 92-28.  
*Motion approved unanimously.*

### **93-3 Prescriptive Wind Loading Requirements**

**Motion** to rescind interpretive ruling 93-3.  
*Motion approved unanimously.*

### **93-4 Roof Spaced Sheathing**

**Motion** to rescind interpretive ruling 93-4.  
*Motion approved unanimously.*

### **93-19 Criteria For Building Permits When Re-roofing Dwellings**

**Motion** to rescind interpretive ruling 93-19, but it was suggested we add clarity to Section R105.2, #18 by addressing the issue of putting plywood sheathing over spaced sheathing.  
*Motion approved unanimously.*

### **93-12 Seasonal Dwellings**

**Motion** to rescind interpretive ruling 93-12.  
*Motion approved unanimously.*

### **92-20 Spans For Ceiling Joist**

**Motion** to rescind interpretive ruling 92-20.  
*Motion approved unanimously.*

**93-31 Window Wells as Basement Bedroom Egress Windows In One- and Two-family Dwellings and Apartments**

**Motion** to rescind interpretive ruling 93-31.

*Motion approved unanimously.*

**93-50 Severe Weather Conditions and Spaced Sheathing**

**Motion** to rescind interpretive ruling 93-50.

*Motion approved unanimously.*

**93-56 Natural Light For and Emergency Egress From Bedrooms in Earth-Sheltered Dwellings**

**Motion** to rescind interpretive ruling 93-56.

*Motion approved unanimously.*

**93-77 Attaching Glass Structures to Dwellings**

**Motion** to rescind interpretive ruling 93-77.

*Motion approved unanimously.*

**94-18 Post and Beam Connections**

**Motion** to rescind interpretive ruling 94-18.

*Motion approved unanimously.*

**94-27 Solid Blocking of Horizontal Joints in Wall Sheathing**

**Motion** to rescind interpretive ruling 94-27.

*Motion approved unanimously.*

**94-28 Insulation Requirements for Single-family Dwelling Weatherization and Remodel Projects**

**Motion** to rescind interpretive ruling 94-28.

*Motion approved unanimously.*

**95-2 Ladders As Exits From Habitable Rooms**

**Motion** to rescind interpretive ruling 95-2.

*Motion approved unanimously.*

**95-9 Insulation Requirements For Ducts Installed Within Ceiling Insulation in Attics**

**Motion** to keep interpretive ruling 95-9.

*Motion approved unanimously.*

**96-12 Crawl Space Perimeter Insulation Alternate Method**

**Motion** to keep interpretive ruling 96-12.

*Motion approved unanimously.*

**97-1 Wall Bracing**

**Motion** to keep interpretive ruling 97-1.

*Motion approved unanimously.*

**99-1 Residential Slab Edge Insulation**

**Motion** to keep interpretive ruling 99-1.  
*Motion approved unanimously.*

**01-1 One – and Two-family Dwelling Fire Sprinkler Systems**

**Motion** to keep interpretive ruling 01-1.  
*Motion approved unanimously.*

**303.3 Installation of Exhaust Fan in Other Similar Rooms**

**Motion** to rescind interpretive ruling 303.3.  
*Motion approved unanimously.*

**R101.2 Smoke Alarms in Residential Aircraft Hanger**

**Motion** to rescind interpretive ruling R101.2.  
*Motion approved unanimously.*

**R102.7.1 Replacement of Existing Glazing**

**Motion** to keep interpretive ruling R102.7.1.  
*Motion approved unanimously.*

**R105.2 Habitable vs. Non-habitable Accessory Structures**

**Motion** to keep interpretive ruling R105.2.  
*Motion approved unanimously.*

**R105.2(20) Tensioned Membrane Covered Accessory Structures**

**Motion** to keep interpretive ruling R105.2(20).  
*Motion approved unanimously.*

**R703.9 Use of Exterior Insulation and Finish Systems (EIFS)**

**Motion** to keep interpretive ruling R703.9.  
*Motion approved unanimously.*

**2004 OSSC 1307.1.4 Acceptable Installation of Wall Batt Insulation**

**Motion** to keep interpretive ruling 2004 OSSC 1307.1.4 (convert to residential reference #).  
*Motion approved unanimously.*

**2004 OSSC 1307.1.7.2 Acceptable Window and Door Sealing Methods**

**Motion** to keep interpretive ruling 2004 OSSC 1307.1.7.2 (convert to residential reference #).  
*Motion approved unanimously.*

**G2411.1/G2408.1 Bonding of Corrugated Stainless Steel Tubing**

**Motion** to keep interpretive ruling G2411.1/G2408.1  
*Motion approved unanimously.*

## **AN103 Additions and Alterations of Existing Buildings and Fire-wall Requirements in Non-sprinklered Buildings**

**Motion** to rescind interpretive ruling AN103.

*Motion approved unanimously.*

## **ORS 455.475, Appeal DC-00-01 Notice of Final Appeal Decision “Are permits and inspections required for the installation of brick veneer replacing other types of siding such as wood, masonite or vinyl on an existing single family residence?”**

**Motion** to keep interpretive ruling ORS 455.475, Appeal DC-00-01 and amend with current language as necessary.

*Motion approved unanimously.*

### *Lunch*

*The committee took a lunch break*

*Eric McMullen left the meeting at 1:00 p.m.*

## **Chapters 12 thru 24 – Mechanical Chapters**

### **Chapter 12 Mechanical Administration**

Mr. Ewert explained no model code changes were made for this chapter, only Oregon Amendments. The committee voiced no objection to the Oregon Amendment.

### **Chapter 13 General Mechanical System Requirements**

#### **Section M1305.1.1 Furnaces and Air Handlers [Code Change Proposal ORSC11-28](#)**

Johnathan Balkema explained the proposal. The committee discussed the proposed language.

**Motion** to approve code change proposal ORSC11-28 on the basis that it adds flexibility and energy efficiency to the code.

Committee discussion continued.

*Vote: 4-yes to 2-no.*

*Motion approved.*

#### **Section M1305.1.3 Appliances in Attics & Section M1305.1.4 Appliances Under Floors [Code Change Proposal ORSC11-26](#)**

Mr. Ewert explained the new proposal would negate model code changes. Mr. Balkema further explained the proposal. The committee discussed the proposal.

**Motion** to approve proposal ORSC11-26.

*Motion approved unanimously.*

### **Section M1308.3 Foundations and Supports**

Mr. Ewert explained that the “Exception” in this section either needs to be moved to Section M1305.4.1.1 or needs to be deleted, since the section was deleted as a model code change.

**Motion** to disapprove the model code change (which would keep the deleted language), and retain the Oregon Amendment.

*Motion approved unanimously.*

### **Chapter 14 Heating and Cooling Equipment**

Mr. Ewert explained the changes to the chapter.

### **Section M1411.3.2 Drain Pipe Materials and Sizes.**

Mr. Ewert explained that since Oregon doesn't adopt Chapter 30 (Plumbing Chapter) this reference is not valid.

**Motion** to approve as modified by deleting the model code change language “~~Joints and connections shall be made in accordance with the materials specified in Chapter 30~~”.

*Motion approved unanimously.*

### **Chapter 15 Exhaust Systems**

Mr. Ewert explained the changes to the chapter.

### **M1502.4.4.1 Specified Length**

Mr. Ewert explained that the Oregon Mechanical Specialty Code (OMSC) specifies 35 feet. He stated that for consistency between both the OMSC and Oregon Residential Specialty Code (ORSC), this section should be changed to reflect the same number of feet.

**Motion** to approve as modified by changing the specified length from “~~25 feet~~” to “35 feet”.

*Motion approved unanimously.*

### ***Break***

***The committee took a short break.***

### **M1507.3 [Code Change Proposal ORSC11-07](#)**

### **M1507.5 [Code Change Proposal ORSC11-08](#)**

### **M1507 [Code Change Proposal ORSC11-09](#)**

Mike Moore (via phone) of Newport Ventures, who is representing Broan NuTone today, explained the proposals. He stated the language was proposed and submitted at the national level for the 2012 International Residential Code (IRC). The committee discussed at length the proposals asking questions of the proponent and sharing how the proposals could fit in with the Oregon Residential Specialty Code and not change current language.

### **Code Change Proposal ORSC11-07**

**Motion** to disapprove code change ORSD11-07 based on the national language not being completely approved on the national level yet, and the need to fold in the 2008 Oregon amendments that were added to address moisture issues.

*Motion approved unanimously.*

### **Code Change Proposal ORSC11-08**

**Motion** to disapprove code change proposal ORSC11-08 based on the existing code requirements for energy efficiency which would be better addressed in the Oregon Energy Efficiency Specialty Code.

*Motion approved unanimously.*

### **Code Change Proposal ORSC11-09**

**Motion** to disapprove code change proposal ORSC11-09 based on the fact that the proposal makes the language mandatory instead of voluntary.

*Motion approved unanimously.*

### **Section M1503.3 Kitchen Exhaust Rates**

The committee discussed at length, the *Exception* in this section.

**TABLED:** The section was tabled and Mr. Balkema and Alan Seymour volunteered to research language.

## **Chapter 16 Duct Systems**

### **Section M1601.5 Under-floor Plenums**

**Motion** to approve current Oregon amendments to this section, and disapprove model code changes

*Motion approved unanimously.*

### **Section 1602.2 Prohibited Sources.**

**Motion** to approve as modified by deleting the new model code language in the last sentence of Section 1602.2, item 6, “...~~Transfer openings in the crawl space enclosure shall not be prohibited~~”.

*Motion approved unanimously.*

### **Code Change Proposal ORSC11-23**

Withdrawn by proponent.

## **Chapter 17 Combustion Air**

Mr. Ewert explained the changes to the chapter which includes the deletion of the complete chapter except for new model code language for Section “*M1701.1 Scope*” and “*M1701.2 Opening Location*” which reads:

**M1701.1 Scope.** Solid-fuel-burning *appliances* shall be provided with *combustion air* in accordance with the *appliance* manufacturer’s installation instructions. Oil-fired *appliances* shall be provided with *combustion air* in accordance with NFPA 31. The methods of providing *combustion air* in this chapter do not apply to fireplaces, fireplace stoves and direct-vent *appliances*. The requirements for combustion and dilution air for gas-fired *appliances* shall be in accordance with Chapter 24.

**M1701.2 Opening location.** In areas prone to flooding as established in Table R301.2(1), *combustion air* openings shall be located at or above the elevation required in Section R322.2.1 or R322.3.2.

**Section M1701 General Code Change Proposal ORSC11-24**

Mr. Balkema explained the proposal.

**Motion** to disapprove code change proposal ORSC11-24 **and** approve the model code language for Chapter 17 Combustion Air.

*Vote: 3-yes, to 3-no.*

*Motion fails.*

**Motion** to approve code change proposal ORSC11-24.

*Vote: 3-yes to 3-no.*

*Motion fails.*

**Motion** to **TABLE** code change proposal ORSC11-24 until the next meeting.

**Summary of Chapters 12-16, Mechanical Chapters**

**Motion** to APPROVE all Oregon amendments to Chapters 12 thru 16, Mechanical Chapters, which includes specific modifications made during this review, and excluding any tabled items.

*Motion approved unanimously.*

**Motion** to APPROVE all Model code amendments to Chapter 12 thru 16, Mechanical Chapters, which includes specific modifications made during this review, and excluding any tabled items.

*Motion approved unanimously.*

**Adjourn**

Meeting adjourned at 3:50 p.m.